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IN THE CLAIMS

1. (Currently Amended) A magnetic disk drive comprising:

a magnetic disk on which servo information is stored;
a magnetic head for recording/reproducing information to/from said magnetic disk;

~~a driver for positioning means for positioning said magnetic head over said magnetic disk; and~~

~~a controller for compensating the servo signal on the basis of the average value of the repeatable runout for each servo sector in a plurality of tracks of said servo information~~
compensating means for compensating signals for controlling said positioning means,

wherein said compensating means compensates said signals on the basis of compensation values corresponding to a plurality of zones divided in the radial direction of said magnetic disk.

Claims 2-3 (Canceled)

4. (Original) A magnetic disk drive comprising:
a magnetic disk on which servo information is stored;

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a magnetic head for recording/reproducing information to/from said magnetic disk;

a driver for positioning said magnetic head over said magnetic disk; and

a controller for adjusting a positioning error slice level for said magnetic head, for each servo sector, whereby data recording is halted, on the basis of the average value of the repeatable runout for each servo sector in a plurality of tracks of said servo information.

2 5. (Original) The magnetic disk drive according to claim 4, wherein said average value of the repeatable runout is stored in a non-volatile memory or on said magnetic disk.

6. (Original) The magnetic disk drive according to claim 4, wherein said positioning error slice level is stored in a non-volatile memory or on said magnetic disk.

Claims 7-11 (Canceled)

12. (New) The magnetic disk drive according to claim 1, wherein said signals are servo signals read from said magnetic disk by said magnetic head.

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13. (New) The magnetic disk drive according to claim 1, wherein said positioning means comprises a control device deriving servo control signals representing said signals for controlling said positioning means.

14. (New) The magnetic disk drive according to claim 1, wherein each of said compensation values is calculated on the basis of a repeatable runout average value of each of said zones.

15. (New) The magnetic disk drive according to claim 14, wherein said repeatable runout average value is the average value of the synchronous vibration for servo sectors in a plurality of tracks of each of said zones.

16. (New) The magnetic disk drive according to claim 14, wherein said repeatable runout average values are stored in said non-volatile memory or on said magnetic disk.

17. (New) The magnetic disk drive according to claim 1, wherein said compensation values are stored in a non-volatile memory or on said magnetic disk.